

ABSTRACT

~~The object of the present invention is to provide a~~ A diesel engine control system and control method capable of conducting accurate fuel injection unaffected by variations in injector performance caused by differences among individual injectors or change with aging. The ~~invention provides a~~ diesel engine control system ~~comprising~~ includes an injector for directly injecting fuel into a combustion chamber of a diesel engine, injection quantity ~~controlling means~~ controller for controlling fuel injection quantity by varying a period of electric current supply to the injector, ~~estimating means~~ estimator for estimating that an electric current supply period when a prescribed (stable) combustion state is obtained is the current supply period for injecting the amount of fuel required for the prescribed combustion state, and control data correcting ~~means~~ device for correcting control data of the injection quantity ~~controlling means~~ controller based on the estimated current supply period.